

CLAIMS

1. An impact resistant window assembly comprising:
a double hung window including a window sash movably disposed within a
5 window jamb assembly, the window sash having an exterior portion and an interior
portion; and
a bracket assembly including a bracket portion having at least a first position
and a second position, the bracket assembly disposed within the window jamb
assembly when the bracket portion is disposed in the first position, the bracket
10 portion disposed over a portion of the interior portion of the sash when the bracket
portion is disposed in the second position.
2. The impact resistant window assembly as recited in claim 1, wherein the
bracket portion is slidable from the first position to the second position.
15
3. The impact resistant window assembly as recited in claim 1, wherein the
bracket assembly is substantially concealed in the window jamb assembly when the
bracket portion is disposed in the first position.
- 20 4. The impact resistant window assembly as recited in claim 1, wherein the
bracket portion includes a stop, where the stop prevents overextension of the bracket
portion.
5. The impact resistant window assembly as recited in claim 1, wherein the
25 window sash includes a rail and a stile, and the bracket portion is disposed over a
portion of the rail and the stile when the bracket portion is disposed in the second
position.
6. The impact resistant window assembly as recited in claim 1, wherein the
30 bracket assembly further includes a filler disposed within the window jamb
assembly.

7. The impact resistant window assembly as recited in claim 1, further comprising one or more fasteners securing the bracket assembly to an outer frame, where the one or more fasteners are concealed from view.

5

8. An impact resistant window assembly comprising:

a window including a window sash movably disposed within a window jamb assembly, the window further including a window jamb liner, the window sash having an exterior portion and an interior portion, the window sash slidable within a first plane of movement;

10

a bracket assembly disposed within the window jamb liner, the bracket assembly including a filler and a movable bracket portion, the movable bracket portion having at least a first position and a second position, the bracket assembly providing reinforcement to the interior portion of the sash when the bracket portion is disposed in the second position, and the bracket assembly is at least partially concealed in the first position.

15

9. The impact resistant window assembly as recited in claim 8, wherein the bracket assembly further includes a base plate coupled with an outer frame of the window.

20

10. The impact resistant window assembly as recited in claim 9, wherein the movable bracket portion is disposed between the filler and the support bracket.

25

11. The impact resistant window assembly as recited in claim 9, wherein the filler includes interlock features, the interlock features coupling the support plate and the movable bracket portion.

30

12. The impact resistant window assembly as recited in claim 8, wherein the window sash includes a rail and a stile, and the bracket portion is disposed over a

portion of the rail and the stile when the bracket portion is disposed in the second position.

13. The impact resistant window assembly as recited in claim 8, wherein the
5 filler has an outer appearance similar to the jamb liner.

14. A method comprising:
coupling a bracket assembly with a window jamb of a window unit;
movably disposing a window sash within the window jamb;
10 moving a bracket portion of the bracket assembly from a first position
within the window jamb to a second position over the window sash; and
reinforcing the window sash with the bracket assembly when the bracket
portion is disposed in the second position.

15 15. The method as recited in claim 14, wherein moving the bracket portion to
the second position includes moving the bracket portion over a stile and rail of the
window sash.

16. The method as recited in claim 14, wherein coupling a bracket assembly
20 with a window jamb includes disposing the bracket assembly within an opening of a
jamb liner.

17. The method as recited in claim 16, further comprising disposing the bracket
portion in the first position in the opening of the jamb liner, and substantially
25 concealing the bracket assembly from a front view of the window unit.

18. The method as recited in claim 14, further comprising disposing a filler
component adjacent to the bracket portion of the bracket assembly.

19. The method as recited in claim 14, wherein the bracket assembly further includes a filler and support bracket, and further comprising interlocking the support bracket and the movable bracket with the filler.
- 5 20. The method as recited in claim 14, wherein moving the bracket portion of the bracket assembly includes sliding the bracket portion from the first position to the second position.
21. The method as recited in claim 14, further comprising overextension of the
10 bracket portion from the window jamb.
22. The method as recited in claim 14, further comprising anchoring the bracket assembly with a window frame.